

ABSTRACT OF THE DISCLOSURE

An image process unit includes an image input interface that receives inputs of image data from a scanner and generates data packets, an image ring interface 4 that transfer the data packets to an image ring interface 2, and an image output interface that outputs image data to a printer, and a system control unit includes a RAM controller that has a RAM store the data packets transferred from the image process unit and reads the data packets from the RAM, and an image ring interface 1 that transfers the data packets to an image ring interface 3, where packet transfers from the image process unit to the system control unit and in its reverse direction are conducted using mutually different image rings.